<b>Work Order ID 59783</b> Friday, June 11, 2010 11:43:27 AM												Page 1
Item ID: Revision ID: Item Name:	D206-642-5			Accept	11011101 010 1011 0011 0011				Setup	Start Stop		11.   11.
Approvals:	Process Pla	an:	Date:	Tooling: SPC (Y/N):	Date:			Run Sta				
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Acce Qty	pt Re Qt	•	Reject Number	Insp. Stamp

 Draw Nbr
 Revision Nbr

 D3274
 D

 IIN-D206-642
 Rev M

; DOCUMENT CONTROL

Memo

Document Control

Photocopy bluefile & type labels per PPP D206-642-541

CHG003

N/A H

B59783

0.00

0.00

Dart Ae	rospace Li	td.							•	•
W/O:			WC	ORK ORDER CHAN	GES					
DATE	STEP	PR	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspect
								,		
Part No		PAR #:								
<del></del>	Resc	olution:							Date: _	
NCR:			WORK ORD	ER NON-CONFORM	IANC	E (NCF	R)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Se Action Description Chief Eng				i <b>cation</b> tior C	Approval Chief Eng	Approva QC Inspect
			.,							

NOTE: Date & initial all entries

		- May										i
Work Orde	- 7											Page 2
Item ID: Revision ID:	D206-642-5			Accept					Setup	Start		
Item Name: Start Date: Required Date: Reference:	e: 6/10/2010 Start Qty: 1.00 Cust Item ID:  Date: 6/25/2010 Req'd Qty: 1.00 Customer:				Stop							
Approvals:	Process Pl	an:	Date:	Tooling:	D	ate:	<del></del>		Run	Start		
	QC:		Date:			ate:	-			Stop		
Sequence ID/ Work Center II	D	Operation Description	Committee of the Commit	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accep Qty	t Re Qt	•	Reject Number	Insp. Stamp
		Skidtubes		0.00								
Skidtubes		Memo		0.00				-				
Skidtubes		1- Bend FW end of tube 2- remove for the second of tube 3- weld fwd AR Alun 4- grind fwd 5- Cut AFT 6-Drill Aft 7-Cleco DT	Y AND INSPECT THE N  TO end of tube using bend with saw table setup D32*  wd indexing ridge as per c  cap as per dwg D3274 ar ninum Rod Batch:  d cap weld on top surface end of tube at 170.9" as p  cap pilot hole using DT80  18025 in position and inst	prog D3274 FWD dwg I 74. dwg D3274. Prepare for w 12 50 7 M/146 only BE 1 der dwg D3274 and debui	23274, cut fwd D velding (1) 242 BE 1906/15 r end.	0/6 10/04/	/ 15 •	<i>(</i> !				
			pilot holes as per Dwg D3 inner indexing ridge on af		Dwg D3274 scribe	h (	0/6/	/16				

9 -Open aft end cap holes to  $\emptyset 0.208$ " as per Dwg D3274. Deburr aft end.

# Dart Aerospace Ltd W/O: WORK ORDER CHANGES DATE STEP PROCEDURE CHANGE By Date Qty

Re	esolution:	Disposition:	QA: N/C Closed:	Date:
Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:

Approval Chief Eng / Prod Mgr

Approval QC Inspector

NCR:			WONK ONDER NON-COM ORMANCE (NCh)							
		Description of NC			Corrective Action Section	Verification	Ammuoval	Ammunual		
DATE	STEP	STEP Section A		Initial Chief Eng	Action Description Chief Eng			Approval Chief Eng	Approval QC Inspector	
			•							
				1			5	i		

NOTE: Date & initial all entries

Friday, June 11, 2010 11:43:27 AM



Page 3

Item ID:

D206-642-541

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Replacement Skidtube

**Start Date:** 

6/10/2010

Start Qty: 1.00

Required Date: 6/25/2010

Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date: Tooling: Date:

SPC (Y/N):

Date: Date:

Start Stop



Sequence ID/ **Work Center ID** 

120

HandFinish Hand Finishing Operation Description

QC:

Chemical Conversion Coat per QSI005 4.1

Memo

Memo

Set Up/ **Run Hours** 

0.00

0.00

**Tool ID** 

Tool # Plan Qty Code

Reject Accept Qty

Run

Reject Number

Insp. Stamp

1 W 0/6/16

130

QC

Quality Control

QC3- Inspect Part Finish

15. 1

0.00

140

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

Item ID: Revision ID:	D206-642-5	41		Accept					•	Start		
Item Name: Start Date:	Replacement 6/10/2010	Skidtube Start Qty: 1.00			Cust Item I	D:	•			Stop		
Required Date Reference:	e: 6/25/2010	Req'd Qty: 1.00			Customer:						4 (88)((8) 8	
Approvals:	Process Pla	an:	Date:	Tooling:	D	ate:		]	Run	Start Stop		
	QC:		Date:	SPC (Y/N):	D	ate:				Stop	: [	
Sequence ID/ Work Center I 150 Skidtubes Skidtubes	ID	D3274	crossbolt spacer holes as p	Set Up/ Run Hours 0.00  0.00  0.00  It spacer holes using DT874  er Dwg D3274 and blow ou		Tool#	Code	Accept Qty	Reje Qty		Reject Number	Insp. Stamp
		Sikaflex e Start:□ <u>l:</u> Finish:□ <u>k</u> (Adhere fo	eb in place as per Dwg D3 kaflex-291   11 35(9 xpire date:   10/11/35 0/6/16   Time:   4.0 or 12 hours)	2		M (c	7/6/	16				1
QC Ouality Control		QC5- Inspect part com	pleteness to step on W/O	0.00	0/06/17			<u> </u>				. !

Required Date: 6/25/2010

Page 5

Item ID:

D206-642-541

Accept

Setup Start



**Revision ID:** 

Item Name:

Replacement Skidtube

**Start Date:** 

6/10/2010

QC:

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

				١
A	nn	ro	vai	s:

Process Plan: \_\_\_\_\_ Date: \_\_\_\_

Date:\_\_\_\_\_

Tooling:

0.00

0.00

SPC (Y/N):

Date:

Date:

Run

Start

Stop



Stop



Sequence ID/ **Work Center ID** 

170

Skidtubes

Skidtubes

Operation Description

Skidtubes

Set Up/ **Run Hours**  Tool ID

Tool # Plan

Code Qty

Reject Accept Qty

Reject Number

Insp. Stamp

Memo

1-Bend AFT end of tube using bend prog. D3274 AFT as per dwg D3274. Install drop pins in crossbolt spacer holes to maintain web position.

2- DRILL PILOT HOLES FOR WEARPLATES USING D3274-1T2 OPEN HOLES TO .297". Deburr

3-DRILL TOE PIN HOLE .640" DIA AS PER DWG USING DT8935 FWD

DEBURR INSIDE OF HOLE AS NECESSARY (DO NOT ENLARGE HOLES) REMOVE ANY FOREIGN OBJECTS INSIDE OF TUBES

4- Countersink crossbolt spacer holes as per Dwg D3274

END OF TUBE

5- prepare for welding

180

QC

Quality Control

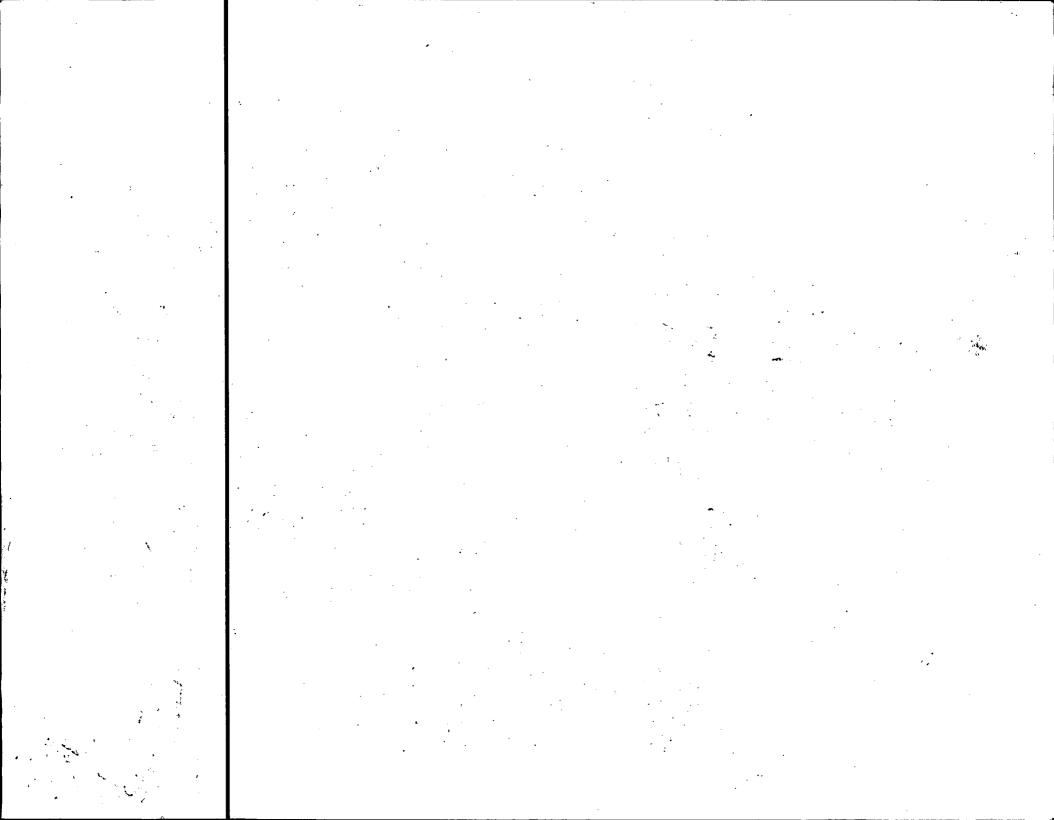
QC5- Inspect part completeness to step on W/O

4=3.060

Memo

L= 4.9°

BE 10/06/25



Quality Control

Friday, June 11, 2010 11:43:27 AM

Memo



Page 6

D206-642-541 Accept Item ID: Setup Start **Revision ID:** Stop Item Name: Replacement Skidtube **Start Date:** 6/10/2010 Start Qty: 1.00 **Cust Item ID: Required Date:** 6/25/2010 Req'd Qty: 1.00 **Customer:** Reference: Start Run Date: Tooling: Approvals: Process Plan: Date: Stop Date: SPC (Y/N): Date: Sequence ID/ **Operation** Set Up/ Tool ID Tool# Plan Accept Reject Reject Insp. Work Center ID Description **Run Hours** Code Qty Qty Number Stamp Skidtubes 0.00 Memo 1-Insert D2649 & D3275-1 crossbolt spacers. Weld as per QSI 004 and Dwg Skidtubes D3274. Remember to back drill each hole before welding the other side. Use A/R | Aluminum Rod | M112507 3-Grind cross bolt welds flush as per Dwg D3274. 4-Counterbore 5/16" x 0.750" deep as per Dwg D3274 and deburr. 200 QC5- Inspect part completeness to step on W/O 0.00

Friday, June 11, 2010 11:43:27 AM



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Item ID:

D206-642-541

Accept



Setup Start



Item Name: **Start Date:** 

**Revision ID:** 

6/10/2010

Start Oty: 1.00

Req'd Oty: 1.00

**Cust Item ID:** 

**Customer:** 

Reference:

А	nn	rov	'a i	s:

Process Plan:

Replacement Skidtube

Date:\_\_\_\_\_

Tooling:

Date:

Start

Stop



Required Date: 6/25/2010

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/

Work Center ID

210



QC

Quality Control

Operation Description

QC10- Inspect visual per OSI004- ground welds

Set Up/ **Run Hours** 

Tool ID

Tool # Plan Code

Accept Qty

Run

Reject Reject Qty

Insp.

Number Stamp

0.00

220



Hand Finishing

Pressure Wash per QSI005 4.3

Memo

0.00

10/06/28

0.00

Memo Re-alodine tube as per QSI 005 section 4.1.2.1 do not acid etch

230

0.00

16/106-29.

Friday, June 11, 2010 11:43:27 AM



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Item ID:

D206-642-541

Accept

Setup Start

Stop



Revision ID:

Item Name:

Replacement Skidtube

**Start Date:** 

6/10/2010

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

A	n 401	. alas
AD	pro	vals:

Process Plan: \_\_\_\_\_ Date: \_\_\_\_ Tooling:

Date:

Run Start

Stop



**Required Date:** 6/25/2010

Date: \_\_\_\_\_

SPC (Y/N):

Set Up/

Run Hours

Date:

Tool ID

Tool # Plan

Code

Qty

Accept Reject Qty

Reject Number Stamp

Insp.

Sequence ID/ Work Center ID

240

QC

Quality Control

**Operation Description** 

QC3- Inspect Part Finish

Memo

0.00

0.00

10/04/30

250



Hand Finishing

HandFinishing

Memo

0.00

0.00

10/06/30

1-Install Nut Plate as per Dwg D3274. Apply LPS-3 to Nut Plate and rivets. A/R \( \text{N/A} \( \text{LPS-3} \) \( \text{LPS-3} \) \( \text{LOSC} \( \text{COSC} \) \( \text{LOSC} \) \( \text{LOSC} \( \text{COSC} \) \( \text{LOSC} \) \( \text{LOSC} \( \text{LOSC} \) \( \text{LOSC} \

2-Install inserts as per Dwg D3274. Use a drop of Sikaflex inside insert holes a A/R□Sikaflex-291 □ //(1/3 ≤ 1 ↑ □□

Sikaflex expire date:

10 W

260

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

Quality Control

Inspect Nut Plate & Inserts

ml 10 00 30 D

<b>T T</b> 7		` .		TT.	59783	
	w 1 7 . E	100	~ 14			2
VVIII	' M T			,	74/7	٠

Friday, June 11, 2010 11:43:27 AM



Page 9

Item ID:

D206-642-541

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Replacement Skidtube

**Start Date:** 

**Required Date: 6/25/2010** 

6/10/2010

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

Process Plan: Date:

Date: \_\_\_\_

Tooling:

SPC (Y/N):

Date: Date:

Tool # Plan

Code

Start Run



Stop

Sequence ID/ **Operation** Work Center ID

QC:

**Description** 

Set Up/ **Run Hours**  Tool ID

10/06/30

Accept Qty

Reject Reject Qty

Insp. Number Stamp

270

HandFinish

Hand Finishing

HAND FINISHING RESOURCE #1

Memo

0.00

1-Install wearpads & gaskets as per Dwg D3274.

2-Install ring as per Dwg D3274 A/R | Sikaflex-291 | /4(13518)

Sikaflex expire date:

1011C

3-Inspect for foreign objects as per QSI 024

4-Spray inside of tube on both sides of web with LPS-3 LPS-3 Batch: NA

5-Install Aft Cap and seal with Sikaflex. Clean excess adhesive. 

Sikaflex expire date:

15/1t

280

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

Friday, June 11, 2010 11:43:27 AM



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Item ID:

D206-642-541

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Replacement Skidtube

**Start Date:** Required Date: 6/25/2010

6/10/2010

QC:

Start Qty: 1.00

Req'd Qty: 1.00

Operation

Description



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Identify as per dwg & Stock Location:\_

Date:

Date:\_\_\_\_\_

Tooling:

SPC (Y/N):

Date:

Start Stop



Sequence ID/

Work Center ID

290

Packaging Packaging

Memo

Memo

Set Up/ **Run Hours** 

0.00

0.00

Tool ID

Date:

Tool # Plan Code

Reject Accept Qty Qty

Run

Reject Number

Insp. Stamp

300

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

10/07/01 X) MF 10-7-01

#### **Picklist Print**

Friday, June 11, 2010 11:43:33 AM

Work Order ID: 59783

Parent Item Name:

Extrusion Round 3" 206

Parent Item:

D206-642-541

Comments:

D2600-1-190

Replacement Skidtube

07-02-23

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM Added SS Wearplates & Gaskets JLM

IPP Rev:D IPP Rev:E

07-12-06 08-04-17

replace NAS1515H3L to D3672-1 DD as per PAR 08-015 DD verified by:EC

Location

LG

LG

No Manufactured

Manufactured

Manufactured

Manufactured

110

Each

Loc Qty

36 36

Each

36.0000

Loc Code

153.0000

Start Date: 6/10/2010

Start Qty: 1.00

D3285-1



Cap

No

Location

52511 52647

47635

150 Each

Loc Qty

Loc Code

D3282-041

Float Web (206L/407)

No

LG 57539

55000

58545

6 190 Each Loc Code

6.0000

147.0000

19

MO16/16

-BE 10/06/15

D2649



Cross Bolt Spacer

Location LG

Location

Loc Qty 147 6 141 Loc Code

12 BErofolde

Page 1

Required Date: 6/25/2010

Required Qty: 1.00

Friday, June 11, 2010 11:43:33 AM

•										
Work Order ID:	59783									
Parent Item:	D206-642-541									
Parent Item Name:	: Replacement Skid	ltube	* *************************************		31 811H 81881 HRI 18	•	St	art Date: 6	10/2010	Required Date: 6/25/2010
Comments:	IPP Rev:C 07-02-23 Added SS Wear IPP Rev:D 07-12-06 replace NAS151			642 Rev. J□KJ/JLM plates & Gaskets JLM□ ISH3L to D3672-1 DD 015 DD verified by:EC			s	start Qty: 1	00	Required Qty: 1.00
D3275-1 Crossbolt Spacer		Manufactured	No		190	Each	71.0000	12	12	· · · · · · · · · · · · · · · · · · ·
				<b>Location</b>	<u>Lo</u>	c Oty	Loc Code			
				LG		71				<u> </u>
				53453		8				
				57513		57			12	_ BE 10/16/23
CR3212-4-03		Purchased	No	58179	250	6 Each	4,523.000	2		
			140		230	Eacii	4,323.000		2	
•				Location	<u>Lo</u>	c Oty	Loc Code			
				ST311		4523				
				111359		5				
				112314		30				<u> </u>
				114436		1476			0	- ul in local 3 a
				(14450) 114859		1012			Y2	_ X1 10 10 61 30
D3415-041		Manufactured	No	114039	250	2000 Each	67.0000	1	1	<del></del> -
1 100(110 1000 1111 0100) 11001 011		Manuractured	110		230	Eacii	07.0000			
				Location	Lo	c Oty	Loc Code			

ST056

x1 Hl 10/06/30

Friday, June 11, 2010 11:43:34 AM

rriady, June 11, 20	10 11.43.34 AM									
Work Order ID: 59	9783									
Parent Item: D	206-642-541									
Parent Item Name:	Replacement Skidtu	be	1 1881118 18				Sta	art Date: 6	/10/2010	Required Date: 6/25/2010
Comments:	IPP Rev:B□05.09.2 IPP Rev:C 07-02 IPP Rev:D 07-12 IPP Rev:E 08-04	-23 Added SS W -06 replace NAS	earplates 1515H3L				Si	tart Qty: 1.	.00	Required Qty: 1.00
CCR264SS3-3  Cherry Rivet	111116 11111 1110 1110 1111 1111 1111 1	Purchased	No		250	Each	554.0000	2	2	
ALS4-1032-130		Purchased	No	Location ST311 112314 113539 (13973	<u>Lor</u> 250	554 4 60 490 Each	<u>Loc Code</u> 5,752.000	78 <b>  ∭  ∭</b>		- who also
D3536-15  Gasket		Manufactured	No	Location  PKG11  114723  ST282  110511  114407  ST381  114654	<u>Lo</u> .	5000 5000 305 38 267 447 447 Each	<u>Loc Code</u> 19.0000	1  }	y 18 /	M rolo 6136
Cashel				Location FP  56055	<u>Lo</u>	7 7 12	Loc Code		_y\	10/06/36

12

59238

#### **Picklist Print**

Friday, June 11, 2010 11:43:34 AM

Page 4

Work Order ID: 59783

D206-642-541

Parent Item Name:

Replacement Skidtube

Comments:

Parent Item:

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

IPP Rev:C

07-02-23 Added SS Wearplates & Gaskets JLMD

IPP Rev:D 07-12-06 IPP Rev:E

08-04-17

replace NAS1515H3L to D3672-1 DD as per PAR 08-015 DD verified by:EC

D3536-23

Manufactured No

Manufactured

270

Each

12.0000

Start Date: 6/10/2010

Start Qty: 1.00

Gasket

D3536-35

Manufactured

No

No

Location FP011

12 270 Each

Loc Oty

Loc Oty

12

Loc Code

19.0000

W 10104136

Gasket

Location

FP012

270

Loc Code

XI HU 10/04/30

Required Date: 6/25/2010

Required Oty: 1.00

Gasket

D3536-39

Location

FP

FP12

51637

Loc Qty

26

12 14

Loc Code

27.0000

x1 Jul 10/06/30

Friday, June 11,	2010 11:43:3	84 AM								Č
Work Order ID:	59783						******			
Parent Item:	D206-642-541									
Parent Item Name	e: Replaceme	ent Skidtube	7 1881118 78		<b>                                    </b>	ļ	S	tart Date: 6	5/10/2010	Required Date: 6/25/2010
Comments:	IPP Rev:B IPP Rev:C IPP Rev:E IPP Rev:E	07-02-23 Added 07-12-06 replace	evised per D206-642 Rev. J \( \text{J/JLM} \) Added SS Wearplates & Gaskets \( \text{JLM} \) replace NAS1515H3L to D3672-1 \( \text{DD} \) as per PAR 08-015 \( \text{DD} \) verified by:EC						.00	Required Qty: 1.00
D3535-15  Wearshoe		Manufactu	ired <sup>No</sup>		270	Each	16.0000		1	
D3535-35	Hi iii <b>iii</b> hiki iki iiii	Manufactu	ured No	Example 10	<u>Loc</u> 270	6 6 10 10 Each	<u>Loc Code</u> 15.0000	1    <b>     </b>	<u>γ\</u>	th 10/06/30
D3535-39 Wearshoe		Manufactu	ıred No	Location FP018 57528 59237	<u>Loc</u> 270	Otv 15 2 13 Each	Loc Code 13.0000	1		H 10 (06 13)
				<u>Location</u>	Loc	Oty 1	Loc Code			

12

51619

VI M. 10/06/33

Friday, June 11, 2010 11:43:34 AM

Work Order ID:	59783						
Parent Item:	D206-642-541						
Parent Item Name	: Replacement Skidtul	pe	1 / 5 4 1 1 4 1 4 1			Start Date: 6	/10/2010 Required Date: 6/25/2010
Comments:	IPP Rev:B□05.09.23 IPP Rev:C 07-02- IPP Rev:D 07-12- IPP Rev:E 08-04-	23 Added SS We 06 replace NAS	earplates 1515H3L			Start Qty: 1	.00 Required Qty: 1.00
D3535-23		Manufactured	No		270 Each	11.0000 1	1
				Location	Loc Qty	Loc Code	
D3537-3		Manufactured	No	FP21 (57730)	11 11 270 Each	10.0000 1	1 100 cel 30
weaipau				<u>Location</u>	Loc Qty	Loc Code	
Wearpad		Manufactured	No	FP17 (57512)	10 10 270 Each	49.0000 9	y Milolola 130
· J				Location FP 55465 FP17 57713	Loc Oty  1 1 1 12 3	1359116	
				58178	9		
				FP18 59710	36 36		
AN960C10L	NAS1149C0332	Purchased	No		270 Each	0.0000 80	80
washer					M112000		x80 JU 10106130

Required Date: 6/25/2010

Required Qty: 1.00

Friday, June 11, 2010 11:43:34 AM

Work Order ID: 59783

Parent Item:

D206-642-541



Parent Item Name:

Replacement Skidtube

Comments: IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

IPP Rev:C 07-02-23 IPP Rev:D 07-12-06

IPP Rev:E

Added SS Wearplates & Gaskets JLM

No

No

replace NAS1515H3L to D3672-1 DD 08-04-17 as per PAR 08-015 DD verified by:EC

AN960C416

NAS1149C0463 Purchased

Manufactured

270

Each

118.0000

Start Date: 6/10/2010

Start Qty: 1.00

washer

D3672-1

Location

ST346



270

118 118 Each

Loc Oty

1,315.000

Loc Code

Loc Code

H 10/06/30

Phenolic Washer

Location ST077

114859

Loc Qty 1315 315 1000

996

1,525.000

10104130

AN3C4A

BOLT

Purchased

No

270

Each

80

80

Location Loc Oty Loc Code ST350 1525 114103 501 114108 14 114416 12 114523 2

XSO 14 10/06/30

#### **Picklist Print**

Friday, June 11, 2010 11:43:34 AM

Page 8

**Required Date:** 6/25/2010

Required Qty: 1.00

M 10/06/30

10/04/30

Work Order ID: 59783

Parent Item Name:

Parent Item:

D206-642-541

Replacement Skidtube

Comments:

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

IPP Rev:C 07-02-23 IPP Rev:D 07-12-06

Added SS Wearplates & Gaskets JLM□ replace NAS1515H3L to D3672-1 DD

IPP Rev:E

08-04-17 as per PAR 08-015 DD verified by:EC

Purchased

Manufactured

Manufactured

No

No

No

270

270

270

Loc Qty

519

Each

519.0000

Loc Code

Loc Code

**Start Date:** 6/10/2010

Start Qty: 1.00

**BOLT** 

AN4C5A

D2646

Aft Cap

Location

ST346

112243.

19 500

Each

109.0000

Location FP-4

FP6

52663

37.0000

1

Ring

D3413-1

Location ST473

51586 53446

Loc Qty 37

1 23 13

Each

Loc Code

10/06/30



DESIG	"CP	DRAWN BY	DART AEROSPACE USA, INC.
CHEC	KED A	APPROVED 4	DRAWING NO. REV. D
	#	<del>    </del>	D3274 SHEET 1 OF 4
DATE			TITLE SCALE
06.1	12.19		SKIDTUBE ASSEMBLY NTS
Α		04.03.15	NEW ISSUE
В		04.08.09	MOVE SADDLE HOLE: 42.14 WAS 42.76
С		05.03.16	ADD -043; NEW INSERTS
D		06.12.19	NEW INSERTS, SS WEARSHOE + GASKET



Qty	Qty	1	
-041	-043	Part Number	Description
X	-0.70	D3274-041	SKIDTUBE ASSEMBLY
<del>  ^-</del>	X	D3274-043	SKIDTUBE ASSEMBLY
1	1	D2600-1-240	EXTRUSION
1	1	D2646	AFT CAP
12	12	D2649	CROSS BOLT SPACER
12	37	D3275-1	CROSS BOLT SPACER
1	1	D3282-041	FLOAT WEB
1	1	D3285-1	CAP
1	1	D3413-1	RING
1	1	D3415-041	NUT PLATE
1	1	D3535-15	WEARSHOE
1	1	D3535-23	WEARSHOE
1	1	D3535-35	WEARSHOE
1	1	D3535-39	WEARSHOE
1	1	D3536-15	GASKET
1	_ 1	D3536-23	GASKET
1	1	D3536-35	GASKET
1	1	D3536-39	GASKET
9	9	D3537-1	WEARPAD
1	1	D3537-3	WEARPAD
78	78	ALS7-1032-130	INSERT (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
80	80	AN3C4A	BOLT
1	1	AN4C5A	BOLT
1	<del>-                                    </del>	AN960C416	WASHER
80	80	AN960C10L	WASHER
2	2	CCR264SS3-3	RIVET
2	2	CR3212-4-03	RIVET
2	2	NAS1515H3L	WASHER
		INVOIDIDUSE	LANOUEV

RETURN SHOP

ENGINESSTO

#### GENERAL NOTES:

. 1. TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

2. DAMAGE TOLERANCE ON FWD BEND:

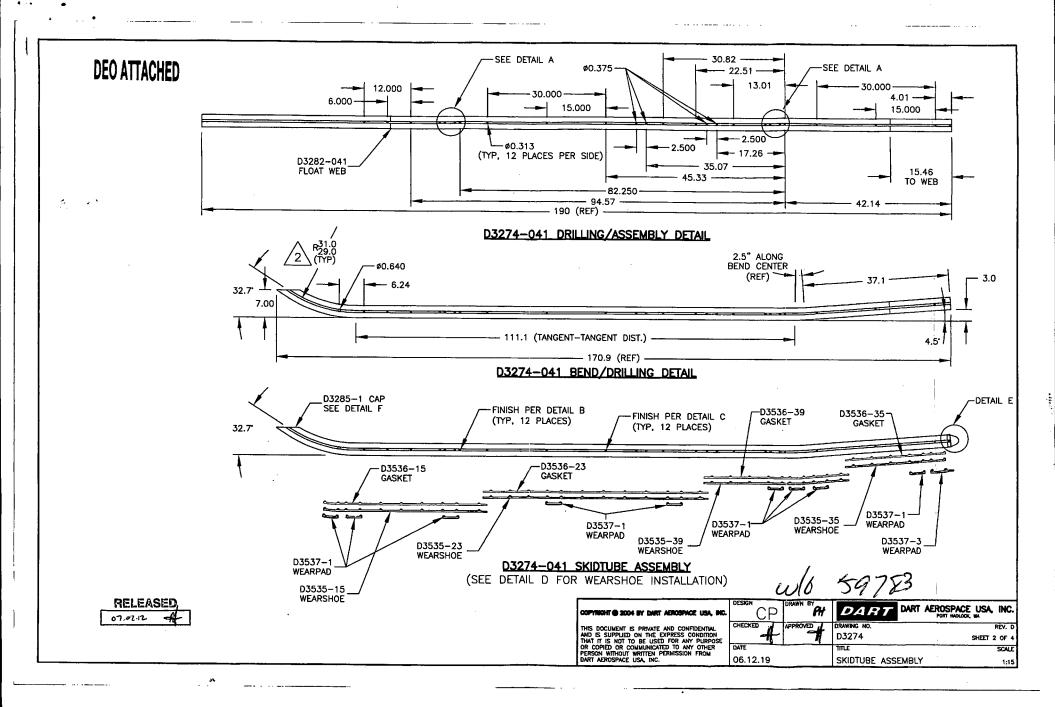
THERE SHOULD BE NO VISIBLE WRINKLES IN THE BEND FROM THE GROUND TO A HEIGHT OF 7 INCHES ABOVE THE GROUND. IT IS ACCEPTABLE TO POLISH OUT GOUGES UP TO 0.020 DEEP IN THE BENT PORTION OF THE TUBE. A MAXIMUM REDUCTION IN DIAMETER OF 0.150" IS ACCEPTABLE IN THE BENT PORTION OF THE TUBE.

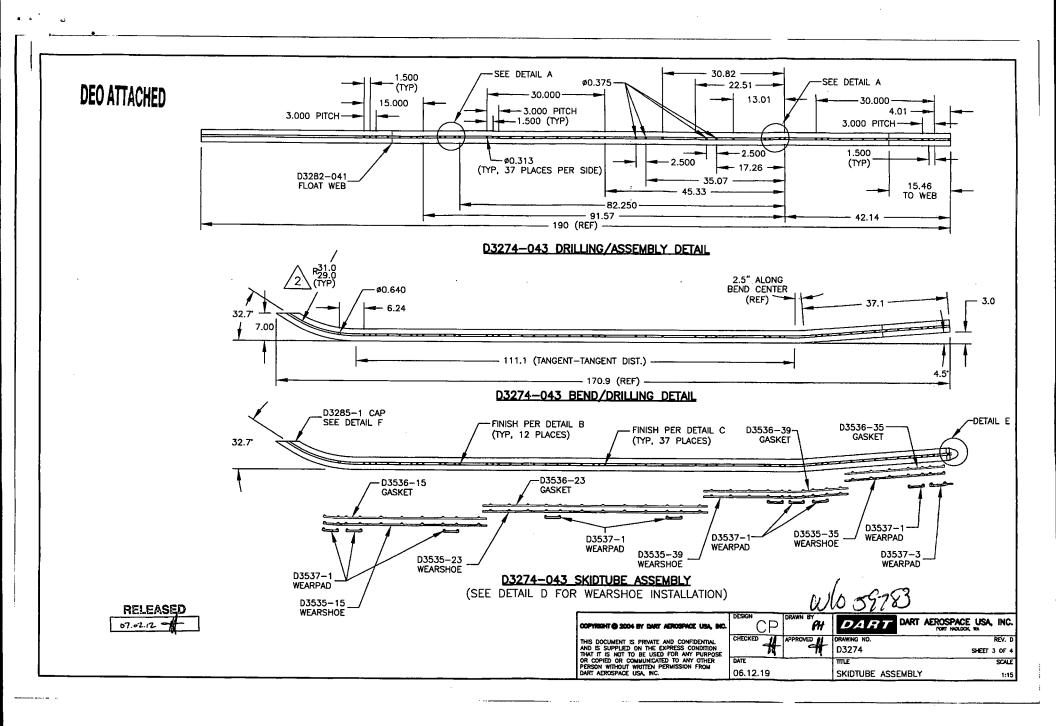
- 3. ALL HOLES DRILLED ON CENTERLINES.
- 4. BOND D3282-041 FLOAT WEB INTO D3274-1/-3 OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241/291 ADHESIVE PER DART QSI 015. ENSURE HOLES LINE-UP.
- WELDING TO BE DONE PER DART QSI 004.
- 6. FINISH: ACID ETCH, ALODINE ASSEMBLY PER DART QSI 005 4.1 POWDER COAT WHITE (REF. 4.3.5.1) PER DART QSI 005 4.3
- 7. DRILL Ø0.297 HOLES FOR ALS7-1032-130 INSERTS USING DT3274-1T2 BEFORE FINISH. INSTALL ALS7-1032-130 INSERTS AFTER FINISH. SEAL WEARSHOE BOLTS WITH SIKAFLEX -241/-291.
- 8. SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH AND INSTALLATION OF INSERTS, COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER.

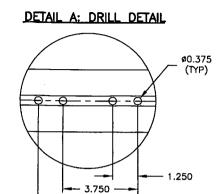
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SUBJECT TO AND SPACE

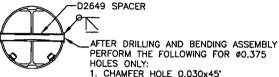






5.000

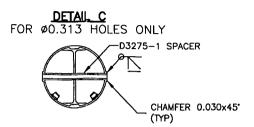
**DETAIL B**FOR Ø0.375 HOLES ONLY



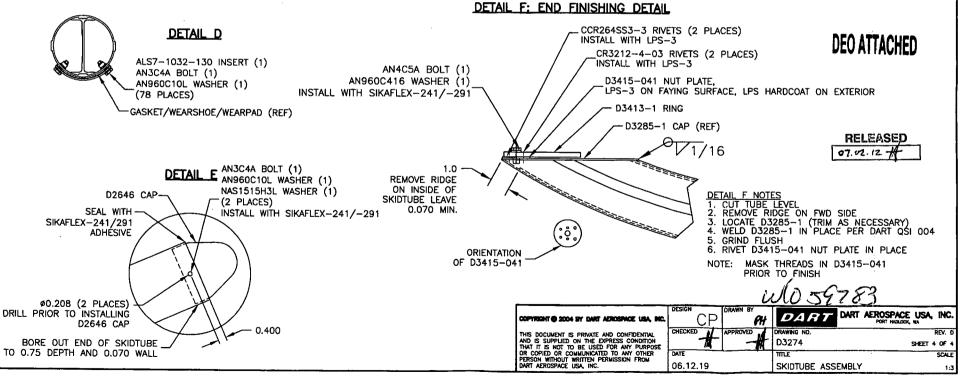
2. INSERT D2649 SPACER

3. WELD INTO PLACE AND GRIND FLUSH

4. C'BORE TO Ø0.313x0.75 DEEP







DRAWING	NO.	TITLE	REV. D DART AEROS	PACE USA, INC D.E.O. NO.		SHEET NO.	SCALE
D3274		SKIDTUBE ASSEMBLY	ENGINEER	RING ORDER D3274-D	-1 ()	SHEET 1 OF 1	NTS
DRAWN	a	CHECKED	MFG. APPR.	APPROVED	JAP .	DE APPR.	
DATE	09.06.1	7 DATE 09.06.	23 DATE 59/0	C/23 DATE	09/06/23	DATE 09.06.23	

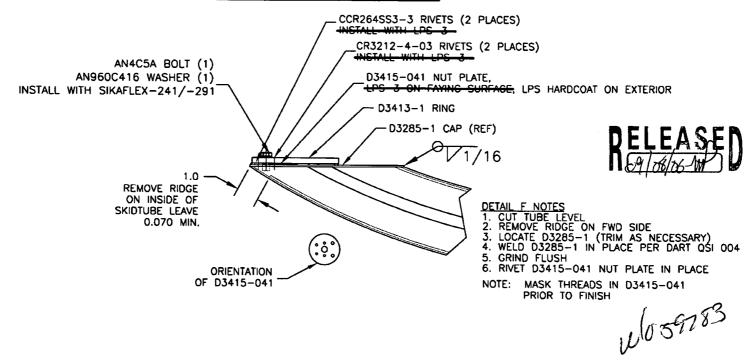
LPS-3 IS NO LONGER USED DURING ASSEMBLY OF SKIDTUBE.

AMEND NOTE 8: "SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES 'LPS 3' AFTER FINISH AND INSTALLATION OF INSERTS.

COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES 'LPS PROCYON' AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER."

AMEND DETAIL F AS SHOWN:

#### **DETAIL F: END FINISHING DETAIL**



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NO 23C	

## AWS D17.1.2001 QUALIFICATION TEST RECORD

Name: Barclay Elliott
Job number: 57356
Part number: Dack-1612 - 541
Description: Noal tube
Welding Process: Tig[ Mig[ ]
Base materiel: Aluminium
Current: AC[ DC[ ]

### TEST REQUIREMENTS AND RESULTS

Visual: Penetration:	pass[ ] fail[ ] pass[ ] fail[ ]
UNACCEPTABLE	
Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration:	pass[   fail[ ] pass[ ] fail[ ]
Qualifier Kat Not	Date of Test Coupon 10.05.05
Welder Brolan Ellist	Date of Test Coupon 10-05-05

The above named individual is qualified in accordance with AWS D17.1.2001 to weld